

B' cont.  
sub  
C1  
cont.

[Please amend claim 2 as follows:]

2. (Amended) A piezo-oscillator comprising:  
an oscillator circuit including a piezo-vibrator and an amplifier circuit,  
a second switch circuit connected to a power source line for said oscillator circuit,  
a constant-current circuit connected to said second switch circuit, and  
a resistor connected to said second switch circuit; wherein  
said second switch circuit  
connects said power source line and said constant-current circuit when a voltage to be  
supplied from a power source is equal to or lower than a predetermined value, and  
connects said power source line and said resistor when a voltage to be supplied from said  
power source is higher than said predetermined value.

[Please amend claim 3 as follows:]

3. (Amended) A piezo-oscillator comprising:  
an oscillator circuit including a piezo-vibrator and an amplifier circuit,  
a constant-voltage circuit connected to a power source, and  
a frequency control voltage section connected to said piezo-vibrator, and  
a first switch circuit that connects, by selection, either one of said power source and said  
constant-voltage circuit to said amplifier circuit; wherein  
said first switch circuit  
selects said constant-voltage circuit when a voltage to be supplied to said  
frequency control voltage section is equal to or lower than a predetermined value, and  
selects said power source when a voltage to be supplied to said frequency control  
voltage section is higher than said predetermined value.

[Claim 4 has been amended as follows:]

4. (Amended) A piezo-oscillator comprising:  
an oscillator circuit including a piezo-vibrator and an amplifier circuit,  
a frequency control voltage section connected to said piezo-vibrator,  
a second switch circuit connected to a power source line of said oscillator circuit,  
a constant-current circuit connected to said second switch circuit, and

B' Canceled  
SUB C' cont.

a resistor connected to said second switch circuit; wherein  
said second switch circuit

connects said power source line and said constant-current circuit when a voltage to be supplied to said frequency control voltage section is equal to or lower than a predetermined value, and

connects said power source line and said resistor when a voltage to be supplied to said frequency control voltage section is higher than said predetermined value.

[Please amend claim 5 as follows:]

5. (Amended) A piezo-oscillator according to claim 3, wherein when a voltage supplied from said power source is higher than said predetermined value or when a voltage supplied to said frequency control voltage section is higher than said predetermined value, said power source voltage is controlled, and a drive level of said piezo-vibrator is controlled by changing a voltage to be supplied to said amplifier circuit.

[Please amend claim 6 as follows:]

6. (Amended) A piezo-oscillator according to claim 4, wherein when a voltage supplied from said power source is higher than said predetermined value or when a voltage supplied to said frequency control voltage section is higher than said predetermined value, said power source voltage is controlled, and a drive level of said piezo-vibrator is controlled by changing a voltage to be supplied to said amplifier circuit.

Please amend claim 8 as follows:

B2  
SUB C' cont.

8. (Amended) A piezo-oscillator comprising:  
an oscillator circuit including a piezo-vibrator and an amplifier circuit, and  
a constant-voltage circuit connected to a power source, and a first switch circuit that connects, by selection, either one of said power source and said constant-voltage circuit to said amplifier circuit, or  
a second switch circuit connected to a power source line for said oscillator circuit, a constant-current circuit connected to said second switch circuit and a resistor connected to said second switch circuit; wherein

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cont.*

said first switch circuit

selects said constant-voltage circuit when a voltage to be supplied from said power source is equal to or lower than a predetermined value, and

selects said power source when a voltage to be supplied from said power source is higher than said predetermined value; or

said second switch circuit

connects said power source line and said constant-current circuit when a voltage to be supplied from said power source is equal to or lower than a predetermined value, and

connects said power source line and said resistor when a voltage to be supplied from said power source is higher than said predetermined value.

Please add new claims 10-13 as follows:

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--10. The piezo-oscillator according to claim 1, wherein when said voltage to be supplied from said power source is higher than said predetermined value, a voltage to be supplied to said amplifier circuit is changed by controlling a voltage of said power source, thus controlling a drive level of said piezo-vibrator.

11. The piezo-oscillator according to claim 2, wherein when said voltage to be supplied from said power source is higher than said predetermined value, a voltage to be supplied to said amplifier circuit is changed by controlling a voltage of said power source, thus controlling a drive level of said piezo-vibrator.

12. The piezo-oscillator according to claim 10, wherein drive level dependency characteristics of said piezo-vibrator are confirmed by controlling said drive level of said piezo-vibrator.

13. The piezo-oscillator according to claim 11, wherein drive level dependency characteristics of said piezo-vibrator are confirmed by controlling said drive level of said piezo-vibrator.--